

What is claimed is:

1. An organic electroluminescence display panel comprising:

at least one organic electroluminescence element, each having first and second display electrodes and at least one organic functional layer consisting of an organic compound, the at least one organic functional layer being laminated between the first and second display electrodes;

a substrate for supporting the at least one organic electroluminescence element;

a high molecular compound film for covering the respective organic electroluminescence elements and a peripheral area of each said organic electroluminescence element on the substrate; and

an inorganic barrier film for covering the high molecular compound film, an edge of the high molecular compound film, and a peripheral area of the high molecular compound film on the substrate.

2. The organic electroluminescence display panel according to claim 1, wherein the high molecular compound film is made from polyurea or polyimide.

3. The organic electroluminescence display panel according to claim 1, wherein the inorganic barrier film is made from silicon nitride or silicon oxynitride.

4. The organic electroluminescence display panel according to claim 1, wherein the inorganic barrier film is deposited by means of plasma chemical vapor deposition,

sputtering, or catalytic chemical vapor deposition.

5. The organic electroluminescence display panel according to claim 1, wherein the high molecular compound film is deposited by means of vapor deposition polymerization.

6. The organic electroluminescence display panel according to claim 5, wherein the vapor deposition polymerization includes annealing a film of polyurea or polyimide at a predetermined temperature in a vacuum or inert gas.

7. The organic electroluminescence display panel according to claim 1, wherein the high molecular compound film is deposited by means of spraying a high molecular solution in a vacuum.

8. The organic electroluminescence display panel according to claim 1 further comprising at least one additional high molecular compound film and at least one additional inorganic barrier film, wherein the high molecular compound films and the inorganic barrier films are deposited in a plurality of alternately laminated layers.

9. An organic electroluminescence display panel comprising:

at least one organic electroluminescence element, each having first and second display electrodes and at least one organic functional layer consisting of an organic compound, the at least one organic functional layer being laminated between the first and second display electrodes;

a substrate for supporting the at least one organic

electroluminescence element;

an inorganic barrier film for covering the respective organic electroluminescence elements and a peripheral area of each said organic electroluminescence element on the substrate; and

a high molecular compound film for covering the inorganic barrier film, an edge of the inorganic barrier film and a peripheral area of the inorganic barrier film on the substrate.

10. The organic electroluminescence display panel according to claim 9, wherein the high molecular compound film is made from polyurea or polyimide.

11. The organic electroluminescence display panel according to claim 9, wherein the inorganic barrier film is made from silicon nitride or silicon oxynitride.

12. The organic electroluminescence display panel according to claim 9, wherein the inorganic barrier film is deposited by means of plasma chemical vapor deposition, sputtering, or catalytic chemical vapor deposition.

13. The organic electroluminescence display panel according to claim 9, wherein the high molecular compound film is deposited by means of vapor deposition polymerization.

14. The organic electroluminescence display panel according to claim 13, wherein the vapor deposition polymerization includes annealing a film of polyurea or polyimide at a predetermined temperature in a vacuum or inert gas.

15. The organic electroluminescence display panel

according to claim 9, wherein the high molecular compound film is deposited by means of spraying a high molecular solution in a vacuum.

16. The organic electroluminescence display panel according to claim 9 further comprising at least one additional inorganic barrier film and at least one additional high molecular compound film, wherein the inorganic barrier films and the high molecular compound films are deposited in a plurality of alternately laminated layers.

17. A method of fabricating an organic electroluminescence display panel, the method comprising the steps of:

providing a substrate;

forming at least one organic electroluminescence element on the substrate, each said organic electroluminescence element having first and second display electrodes and at least one organic functional layer consisting of an organic compound, the at least one organic functional layer being laminated between the first and second display electrodes;

depositing a first sealing film over a larger area than each said organic electroluminescence element so as to cover each said organic electroluminescence element and a peripheral area of each said organic electroluminescence element on the substrate; and

depositing a second sealing film over a larger area than the first sealing film so as to cover the first sealing film, an edge portion of the first sealing film, and a peripheral area of the first sealing film on the substrate.

18. The fabrication method according to claim 17, wherein the first sealing film is a high molecular compound film and the second sealing film is an inorganic barrier film.

19. The fabrication method according to claim 18, wherein the high molecular compound film is made from polyurea or polyimide.

20. The fabrication method according to claim 17, wherein the first sealing film is an inorganic barrier film and the second sealing film is a high molecular compound film.

21. The fabrication method according to claim 20, wherein the high molecular compound film is made from polyurea or polyimide.

22. The fabrication method according to claim 17, wherein the edge portion of the first sealing film has a tapered shape such that a film thickness of the edge portion of the first sealing film gradually decreases.

23. The fabrication method according to claim 18, wherein the inorganic barrier film is made from silicon nitride or silicon oxynitride.

24. The fabrication method according to claim 20, wherein the inorganic barrier film is made from silicon nitride or silicon oxynitride.

25. The fabrication method according to claim 18, wherein the inorganic barrier film is deposited by means of plasma chemical vapor deposition, sputtering, or catalytic chemical vapor deposition.

26. The fabrication method according to claim 20, wherein the inorganic barrier film is deposited by means of plasma chemical vapor deposition, sputtering, or catalytic chemical vapor deposition.

27. The fabrication method according to claim 19, wherein the high molecular compound film is deposited by means of vapor deposition polymerization.

28. The fabrication method according to claim 21, wherein the high molecular compound film is deposited by means of vapor deposition polymerization.

29. The fabrication method according to claim 27, wherein the vapor deposition polymerization includes a step of annealing a polyurea or polyimide film at a predetermined temperature in a vacuum or inert gas.

30. The fabrication method according to claim 28, wherein the vapor deposition polymerization includes a step of annealing a polyurea or polyimide film at a predetermined temperature in a vacuum or inert gas.

31. The fabrication method according to claim 18, wherein the high molecular compound film is deposited by means of vacuum spraying.

32. The fabrication method according to claim 20, wherein the high molecular compound film is deposited by means of vacuum spraying.

33. An organic electroluminescence device comprising:
an organic electroluminescence element having first and second display electrodes and at least one organic functional

layer consisting of an organic compound, the at least one organic functional layer being laminated between the first and second display electrodes;

a substrate for supporting the organic electroluminescence element;

a first sealing film for covering the organic electroluminescence element and a peripheral area of the organic electroluminescence element on the substrate; and

a second film for covering the first sealing film and a peripheral area of the first sealing film on the substrate.

34. The organic electroluminescence device according to claim 33, wherein the first sealing film is a high molecular compound film and the second sealing film is an inorganic barrier film.

35. The organic electroluminescence device according to claim 33, wherein the first sealing film is an inorganic barrier film and the second sealing film is a high molecular compound film.